

1. BREAK AWAY ONLY ENOUGH DRYWALL TO ALLOW FOR INSTALLATION OF WIRING AND GROUNDING PLATE. BOTTOM OF 12"x12" PLATE AT 6"-10" AFF.
2. SCRAPE OR GRIND SURFACE OF COLUMN DOWN TO BARE METAL ON AREA WHERE GROUNDING PLATE IS TO BE ATTACHED.
3. DRILL PLATE IN 4 LOCATIONS TO ACCEPT 1/2" BURNISH OR APPROVED EQUAL OXIDIZING-BRONZE NUT AND STUD. COUNTERSINK DRILLED HOLE TO ACCEPT STUD WELDED TO COLUMN.
4. COAT COLUMN OVER AREA WHERE GROUNDING PLATE IS TO BE ATTACHED WITH "PENTROX-A" OR APPROVED EQUAL CONDUCTIVE OXIDE INHIBITOR COMPOUND.
5. EXOTHERMICALLY WELD STUDS TO COLUMN. ATTACH PLATE. EXOTHERMICALLY WELD NUTS TO PLATE.
6. CONNECT GROUND LUGS TO PLATE AS SHOWN ELSEWHERE ON THIS DRAWING.

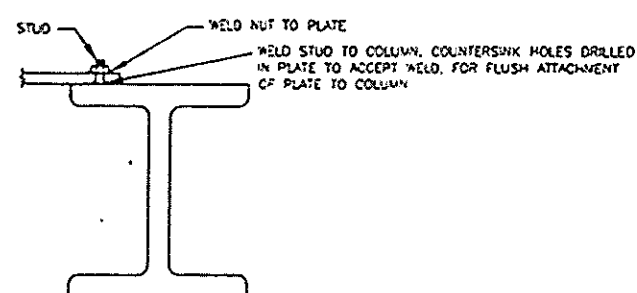
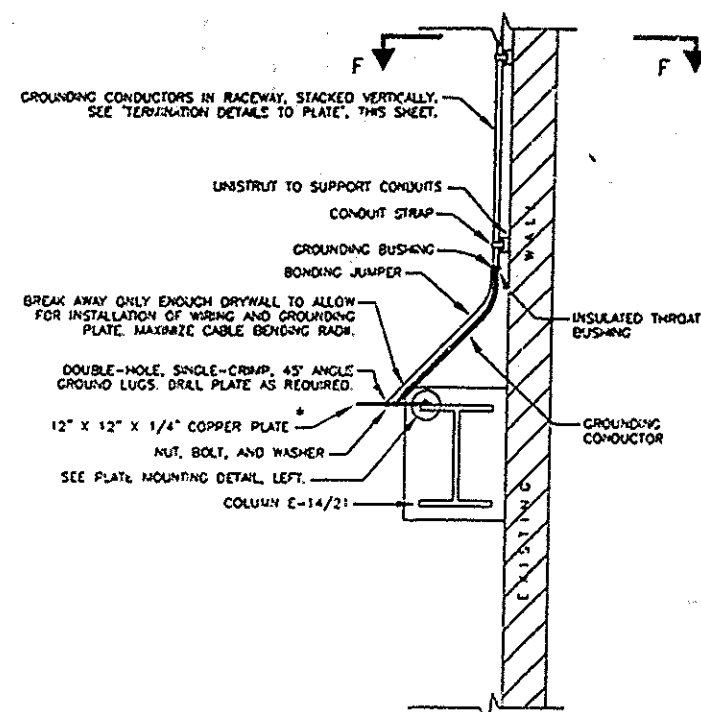
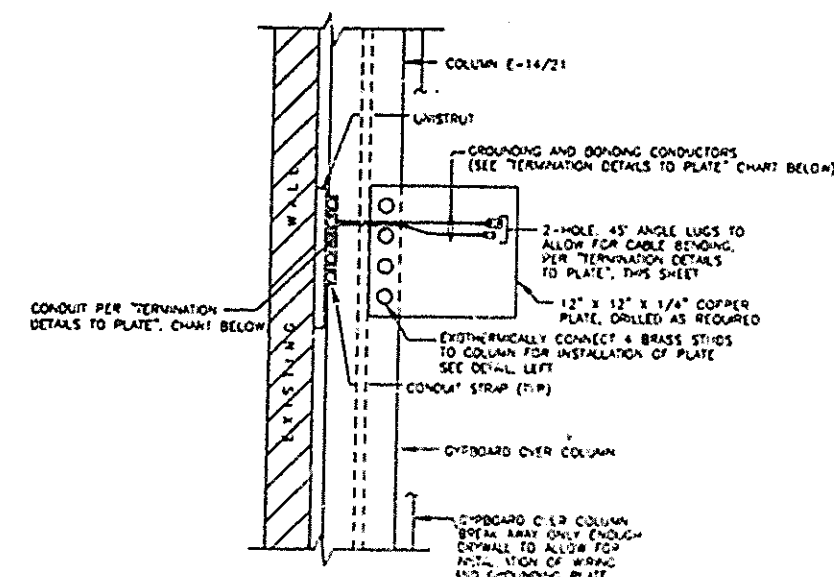


PLATE MOUNTING DETAIL  
(NOT TO SCALE)



\* EXOTHERMICALLY CONNECT 4 BRASS STUDS TO COLUMN E-14/21 FOR INSTALLATION OF PLATE. SEE "PLATE MOUNTING DETAIL", LEFT.

GROUNDING PLATE/TERMINATIONS AT COLUMN E-14/21  
(NOT TO SCALE)



VIEW F - F  
(NOT TO SCALE)

TERMINATION DETAILS TO PLATE					
EQUIPMENT	GROUND *	APPLETON OR APPROVED EQUAL GROUNDING BUSHING	BONDING JUMPER *	BURNISH OR APPROVED EQUAL 45° GROUNDING LUG #	BURNISH OR APPROVED EQUAL 45° JUMPER LUG #
UPS	1-1/2" #1/0 IN 3/4" C	GB-75L-10	1-1/2" #1/0	YAZSL-2TC38-45	YAZSL-2TC38-45
FENCE	1-1/2" #2 IN 3/4" C	GB-75L-10	1-1/2" #1	YAZCL-2TC38-45	YAZCL-2TC38-45
FENCE AND GATE	1-1/2" #2 IN 3/4" C	GB-75L-10	1-1/2" #1	YAZCL-2TC38-45	YAZCL-2TC38-45
TRANSFORMER	1-1/2" #2 IN 3/4" C	GB-75L-10	1-1/2" #1	YAZCL-2TC38-45	YAZCL-2TC38-45
ANTENNA GROUNDING PLATE	1-1/2" #1/0 IN 1" C	GB-100L-10	1-1/2" #2/0	YAZSL-2TC38-45	YAZSL-2TC38-45
CABLE TRAY	1-1/2" #1/0 BARE	-	-	YAZSL-2TC38-45	-

NOTE: ALL CONDUITS ARE IN MECHANICAL EQUIPMENT ROOM.  
ALL GROUNDING CONDUCTORS SHALL BE GREEN INSULATED.

TERMINATE LUGS WITH HARDWARE AS DESCRIBED IN VIEW "C", DRAWING E-805.

Sheet 112 of 112

THE PORT AUTHORITY  
OF NEW YORK  
AND NEW JERSEY



CONFORMED  
2/3/98

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The  
World  
Trade  
Center

STANDBY POWER  
5 WORLD TRADE CENTER  
COMMUNICATIONS

DETAILS-3

This drawing shall be executed in accordance with the specifications and standards of the Port Authority of New York and New Jersey. It shall not be used without the written consent of the Port Authority.

DESIGNED BY: RM CHECKED BY: DS

DATE: 2/3/98

CONTRACT NUMBER: WTC-045071

DRAWING NUMBER: E-813